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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23552

7590

09/02/2010

MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903 EXAMINER

LE, HOANGANH T

ART UNIT PAPER NUMBER

2821 DATE MAILED: 09/02/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,573	02/21/2007	Patrick Walter Joseph Dijkstra	12114.0004USWO	1704

TITLE OF INVENTION: COUPLING FOR PATCH ANTENNAS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/02/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m	naintenance fees v pondence address	vill be ; and/or	mailed to the current (b) indicating a sepa	corre ırate "	spondence address as 'FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
MERCHANT P.O. BOX 2903 MINNEAPOLIS		/2010		State addr	eby certify that the es Postal Service versed to the Mail	is Fee(: vith suf l Stop	of Mailing or Trans 3) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d	g depo st clas above	osited with the United s mail in an envelope e, or being facsimile
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									(Signature)
									(Date)
APPLICATION NO.	FILING DATE	FIRST NAMED INVE		TOR		ATTO	RNEY DOCKET NO.	CO.	NFIRMATION NO.
10/582,573 TITLE OF INVENTION	02/21/2007 I: COUPLING FOR PAT		atrick Walter Joseph D	ijkst	ra	12	114.0004USWO		1704
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		12/02/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
LE, HOA	NGANH T	2821	343-7000MS		-				
"Fee Address" ind PTO/SB/47; Rev 03-( Number is required.  3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA	" Indication form	data will appear on the	native ingle or a attor I be p	rely, e firm (having as a gent) and the nameneys or agents. If printed.  e) etent. If an assign	nemb es of u no nam	er a 2 o to e is 3	ocum	ent has been filed for
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☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			<ul> <li>☐ A check is enclosed.</li> <li>☐ Payment by credit card. Form PTO-2038 is attached.</li> <li>☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number</li></ul>						
5. Change in Entity Sta	tus (from status indicated s SMALL ENTITY state		☐ b. Applicant is no	lone	ver claiming SMA	LL EN	TITY status. See 37 Cl	FR 1.1	27(σ)(2)
NOTE: The Issue Fee an	d Publication Fee (if req	uired) will not be accepte tes Patent and Trademark	d from anyone other th						
interest as shown by the	records of the Officed Sta	ites ratent and Trademark	Comee.						
Authorized Signature			Date						
Typed or printed name			Registration No						
an application. Confiden	tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	1.14. This collection i depending upon the i	s esti ndiv	imated to take 12 i idual case. Any co	minutes	to complete, including s on the amount of tip	ng gath me vo	nering, preparing, and u require to complete

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23552 7:	590 09/02/2010		EXAM	INER		
MERCHANT &	GOULD PC	LE, HOANGANH T				
P.O. BOX 2903		ART UNIT	PAPER NUMBER			
MINNEAPOLIS, MN 55402-0903			2821			
			DATE MAILED: 09/02/201	0		

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 404 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 404 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Annication No	Anni: ant/a)			
	Application No.	Applicant(s)			
Notice of Allowability	10/582,573	DIJKSTRA, PATRICK WALTER JOSEPH			
	Examiner	Art Unit			
	HoangAnh T. Le	2821			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica IGHTS. This application is subjection	application. If not included ation will be mailed in due course. <b>THIS</b>			
1. This communication is responsive to RCE received on Aug	gust 02, 2010.				
2. The allowed claim(s) is/are 1-4 and 6-16.					
<ul> <li>3. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received: <ol> <li>Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> </ol> </li> <li>4. A SUBSTITUTE OATH OR DECLARATION must be subminsformal patterns applicantly which give</li> </ul>	e been received. e been received in Application No cuments have been received in the cuments have been received in the of this communication to file a reflection.  MENT of this application.	o this national stage application from the poly complying with the requirements  NER'S AMENDMENT or NOTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus  (a) including changes required by the Notice of Draftspers  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner'  Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	st be submitted. son's Patent Drawing Review ( P . s Amendment / Comment or in tl .84(c)) should be written on the di	TO-948) attached ne Office action of rawings in the front (not the back) of			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
tachment(s)  Notice of References Cited (PTO-892)  Notice of Draftperson's Patent Drawing Review (PTO-948)  Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  Examiner's Comment Regarding Requirement for Deposit of Biological Material  S. Notice of Informal Patent Application  Interview Summary (PTO-413), Paper No./Mail Date  Examiner's Amendment/Comment  S. Examiner's Amendment/Comment  8. Examiner's Statement of Reasons for Allowance  9. □ Other					
/HoangAnh T Le/ Primary Examiner, Art Unit 2821					

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Art Unit: 2821

### **DETAILED ACTION**

1. Claims 1-4, and 6-16 are allowed.

2. The following is an examiner's statement of reasons for allowance: none of the cited art discloses that the coupling means comprise a metal passage through a hole in the antenna plate which transposes printed circuit board, the hole defining a wall and the passage being in direct contact with the wall of the hole and transposing into a bond pad in direct contact with and against the second side of the antenna plate on the second side printed circuit board, and a metal bond wire between the electronic component and the bond pad, wherein the length of the passage, as seen perpendicularly of the antenna plate printed circuit board, is many times smaller than a quarter-wavelength of the signal to be processed by the antenna.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HoangAnh T. Le whose telephone number is (571) 272-1823. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2821

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HoangAnh T Le/ Primary Examiner, Art Unit 2821